



# FACILITY COMPLIANCE AUDIT REPORT

## Division of Waste Management

### Solid Waste Section

<b>UNIT TYPE: (check all that apply to this audit with same Permit number)</b>											
Lined MSWLF	<input checked="" type="checkbox"/>	LCID	<input type="checkbox"/>	YW	<input checked="" type="checkbox"/>	Transfer	<input type="checkbox"/>	Compost	<input checked="" type="checkbox"/>	SLAS	<input type="checkbox"/>
Closed MSWLF	<input type="checkbox"/>	HHW	<input checked="" type="checkbox"/>	White goods	<input checked="" type="checkbox"/>	Inciner	<input type="checkbox"/>	T&P	<input checked="" type="checkbox"/>	FIRM	<input type="checkbox"/>
CDLF	<input type="checkbox"/>	Tire T&P / Collection	<input checked="" type="checkbox"/>	Tire Monofill	<input type="checkbox"/>	Industrial Landfill	<input type="checkbox"/>	DEMO	<input type="checkbox"/>	SDTF	<input type="checkbox"/>

<b>COUNTY:</b> Macon <b>PERMIT NO.:</b> 57-03 <b>FILE TYPE:</b> COMPLIANCE
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Date of Audit: May 20, 2008.

Date of Last Audit: July 10, 2007
**FACILITY NAME AND ADDRESS:**

Macon County Municipal Solid Waste Facility  
 1448 Lakeside Drive  
 Franklin, NC 28724

**GPS COORDINATES: (Decimal Degrees) N: 35.20091 E: -83.37684**
**FACILITY CONTACT NAME AND PHONE NUMBER:**

Chris Stahl, Solid Waste Director  
 828-349-2100

**FACILITY CONTACT ADDRESS (IF DIFFERENT):**

Chris Stahl, Director  
 Macon County Solid Waste Department  
 109 Sierra Drive  
 Franklin, NC 28734

**AUDIT PARTICIPANTS:**

Chris Stahl, Macon County  
 Troy Harrison, NC Solid Waste Section  
 Deb Aja, NC Solid Waste Section

**STATUS OF PERMIT:**

Original Permit to Operate:	January 31, 1991
Permit Renewal:	February 8, 1999
Permit Amendment	March 7, 2000
Permit Amendment	July 20, 2006
Permit Modification <sup>1</sup>	October 26, 2006
Permit Modification <sup>2</sup>	July 12, 2007

<sup>1</sup>Spray irrigation of wastewater

<sup>2</sup>Approval of ADC and cessation of baling operations

**PURPOSE OF AUDIT:**

Comprehensive Audit of Facility

**NOTICE OF VIOLATION(S) (citation and explanation):**

N/A

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. If the violation(s) noted here continue, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

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**STATUS OF PAST NOTED VIOLATIONS (List all noted last audit):**

N/A

**AREAS OF CONCERN AND COMMENTS:**

**General Information**

1. The facility consists of a MSW landfill, tire collection site, white goods collection and processing facility, a metals collection site, a treatment and processing facility, a drop-off convenience area for selected recyclables, and a composting facility.
2. The service area for the facility is Macon County.
3. The facility received an average of 80 tons per day of waste with Monday receiving over 100 tons and other days between 60 and 70 tons per day.
4. Operational records for the facility are maintained at the Macon County Solid Waste offices located at 109 Sierra Drive adjacent to the landfill.
5. A Review of training records include, but not limited to the following SWANA certifications for all facility areas of operation:

Name	Certification	Expiration Date
Chris Stahl	MOLO MSWS	5/25/10 10/22/08
Rickie Shepherd	LOS	4/15/11
Jeff McCord	LOS	4/15/11
Joel Ostroff	RSO	8/9/08
Tommy Keener	MOLO LOS TSO	4/5/10 12/13/09 3/12/10
Wayne Clark	LOS	12/13/09
Tonda Jenkins	LOS	9/29/09
Wosley Peek	LOS	3/27/10
Sammy Hedden	LOS	10/8/08

MOLO – Manager of Landfill Operations  
MSWS – Municipal Solid Waste Specialist  
LOS – Landfill Operations Specialist  
RSO – Recycling Systems Operator  
TSO – Transfer Station Operator

6. Methane detection forms were correctly filled out as a percentage of the LEL. Monitoring was done on 9/25/07, 12/27/07 & 3/31/08. Readings of methane probes at the property boundary were 0%.
7. Waste screenings are being done on a daily basis with a target of one ton per day. On some days more than one screening is done depending on the size of the load to meet the required 1%. Waste screening is usually conducted at the former bailing facility and occasionally at the working face for smaller loads. Unacceptable wastes found during the screenings were removed and final disposition documented. Various sized loads and various haulers were selected for screenings.

**MSW Landfill Unit**  
**Phase 2, Cell 1**

8. Observed operations at the MSW landfill which is currently operating in Phase 2, Cell 1 (active since 1998).
9. Portions of the intermediate cover have been re-sloped to prevent ponding of water on the top of the landfill.
10. Fencing was in place to reduce wind blown litter. There was very little wind blown material at the facility

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despite high winds prior to the audit. Very good job!

11. The facility uses a mixture of 50% and 50% mulch as an alternate daily cover (ADC). This activity is noted in the operations plan (Section 4.2).
12. The working face was very small during the audit. There was no banned material observed with the exception of a small amount of metal that had been previously removed by the equipment operator and placed aside for later disposal at the recycling facility.
13. A small amount of material was observed on the surface of areas with intermediate cover.
14. This cell has two leach pump stations. No surface discoloration or other evidence of leachate breakouts was observed.
15. Employees walk the boundary lines monthly to detect leachate breakouts.
16. Leachate lines were last cleaned on 10/9/07 with a pressure washer. The lines were reported as clear.
17. All leachate from this cell goes to the waste water treatment plant (WWTP) under an industrial user permit from a collection pond. Sampling is done at the pond.

**Phase 1, Cell 1**

18. This area has intermediate cover with vegetative cover. There were patches of bare soil that need to be re-seeded. There were also small woody plants that need to be removed.
19. There were several slight depressions that need to be filled in on the landfill that need to be filled in to prevent ponding of water on the surface or causing erosion.
20. No discoloration or other evidence of leachate breakouts were observed.

Phase 1 has a gravity leachate collection system directly to the WWTP. Two manholes between this cell and the pond were observed.

**Treatment and Processing Facility**

21. This is a huge building that formally housed a bailing operation. This is now used as a tipping floor for use by the general public. Waste is placed on the floor and using equipment placed in a semi-trailer. Waste is then transported to the MSW Landfill.
22. The area was very clean and well staffed. Waste that is not allowed in the MSW Landfill was observed being diverted to its proper disposal area by staff.

**Scrap Tire Collection Area**

23. There were two trailers on site. One trailer was almost full. The other one appeared to be less than half full. All tires that are not intended for use by the facility were on the trailers.
24. A review of the County tire collection program was conducted. The facility maintains a record of registered tire haulers, generators and private individuals delivering tires to the site. Tonnage totals for received tires are listed under commercial for the registered haulers/generators and separately for less than 5 tires brought in by county residents and county clean-ups. Recently processed tire certification forms were reviewed and appeared to be correctly filled out.

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**Yard Waste Treatment and Processing Facility**

25. This area is used to generate mulch for the alternate daily cover. This area appeared to have natural material only. Material was in a pile waiting for grinding. The ground material was wind rowed awaiting transport to the working face. The remainder of the material is available to Macon County residents free of charge according to the operations plan.

**White Goods Area**

26. This area is located in the recycling area. Freon is removed by the facility. Freon removal equipment was observed at the site.

**Recycling Operation**

27. A recycling operation is part of the approved operations plan.
28. Macon County accepts materials dropped off at the facility and from collections sites located through out the county. Recycled materials are baled and sent to appropriate recycling companies.

**Type 3 Composting Facility**

29. This area is currently not in use with no plans to operate at this time. A Notification to the Solid Waste Section is required before reactivation.

Please contact me if you have any questions or concerns regarding this audit report.

*Troy Harrison*

*828/296-4701*

*Regional Representative*

Phone: \_\_\_\_\_

Delivered on : <u>June 3, 2008</u> by		hand delivery	X	US Mail		Certified No. [ ]
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